B.   AMENDMENTS TO CLAIMS

Please cancel Claims 1-23 and add new Claims 24-63.

1-23.   (CANCELED)

24.   (NEW) A computer-implemented method for determining a maximum frame size for an endpoint device in a frame relay network, the method comprising:
selecting a shortest acceptable delay value from two or more acceptable delay values associated with two or more originating network devices that use the endpoint device to send information over the frame relay network; and
determining the maximum frame size for the endpoint device based upon the selected shortest acceptable delay value and a speed value of a physical connection connected to the endpoint device.

25.   (NEW) The method as recited in Claim 24, wherein determining the maximum frame size for the endpoint device based upon the selected shortest acceptable delay value and a speed value of a physical connection connected to the endpoint device includes determining a product of the shortest acceptable delay value and the speed value.

26.   (NEW) The method as recited in Claim 25, further comprising providing the maximum frame size for the endpoint device to the two or more originating network devices.

27.   (NEW) The method as recited in Claim 26, further comprising transmitting the maximum frame size for the endpoint device to the two or more originating network devices in a frame size message.

28.   (NEW) The method as recited in Claim 24, further comprising transmitting the maximum frame size for the endpoint device to a second endpoint device from which the endpoint device might receive data.

29.   (NEW) The method as recited in Claim 24, further comprising:

receiving a second maximum frame size from a second endpoint device;

selecting a first smallest maximum frame size based upon the smaller of the first maximum frame size and the second maximum frame size; and

using the selected first smallest maximum frame size for transmitting data from the endpoint device to the second endpoint device.

30.   (NEW) The method as recited in Claim 29, further comprising:

receiving a third maximum frame size from a third endpoint device;

selecting a second smallest maximum frame size based upon the smaller of the first maximum frame size and the third maximum frame size; and

using the selected second smallest maximum frame size for transmitting data from the endpoint device to the third endpoint device.

31.   (NEW) The method as recited in Claim 24, further comprising determining an adjusted maximum frame size by subtracting a specified value from the determined maximum frame size, wherein the specified value reflects processing delays in the endpoint device.

32.   (NEW) The method as recited in Claim 24, wherein each of the two or more acceptable delay values is associated with a PVC.

33.   (NEW) The method as recited in Claim 24, wherein the selecting and determining steps are performed at the endpoint device.

34.   (NEW) A computer-readable medium for determining a maximum frame size for an endpoint device in a frame relay network, the computer-readable medium carrying instructions which, when executed by one or more processors, cause:
selecting a shortest acceptable delay value from two or more acceptable delay
        values associated with two or more originating network devices that use
        the endpoint device to send information over the frame relay network; and
determining the maximum frame size for the endpoint device based upon the
        selected shortest acceptable delay value and a speed value of a physical
        connection connected to the endpoint device.

35.   (NEW) The computer-readable medium as recited in Claim 34, wherein determining the maximum frame size for the endpoint device based upon the selected shortest acceptable delay value and a speed value of a physical connection connected to the endpoint device includes determining a product of the shortest acceptable delay value and the speed value.

36.   (NEW) The computer-readable medium as recited in Claim 35, further comprising additional instructions which, when executed by the one or more processors, cause providing the maximum frame size for the endpoint device to the two or more originating network devices.

37.   (NEW) The computer-readable medium as recited in Claim 36, further comprising additional instructions which, when executed by the one or more processors, cause

transmitting the maximum frame size for the endpoint device to the two or more

originating network devices in a frame size message.

38.   (NEW) The computer-readable medium as recited in Claim 34, further comprising

additional instructions which, when executed by the one or more processors, cause

transmitting the maximum frame size for the endpoint device to a second endpoint

device from which the endpoint device might receive data.

39.   (NEW) The computer-readable medium as recited in Claim 34, further comprising

additional instructions which, when executed by the one or more processors, cause:

receiving a second maximum frame size from a second endpoint device;

selecting a first smallest maximum frame size based upon the smaller of the first

maximum frame size and the second maximum frame size; and

using the selected first smallest maximum frame size for transmitting data from the

endpoint device to the second endpoint device.

40.   (NEW) The computer-readable medium as recited in Claim 39, further comprising

additional instructions which, when executed by the one or more processors, cause:

receiving a third maximum frame size from a third endpoint device;

selecting a second smallest maximum frame size based upon the smaller of the first

maximum frame size and the third maximum frame size; and

using the selected second smallest maximum frame size for transmitting data from the

endpoint device to the third endpoint device.

41.   (NEW) The computer-readable medium as recited in Claim 34, further comprising

additional instructions which, when executed by the one or more processors, cause

determining an adjusted maximum frame size by subtracting a specified value from the

determined maximum frame size, wherein the specified value reflects processing delays in the endpoint device.

42.   (NEW) The computer-readable medium as recited in Claim 34, wherein each of the two or more acceptable delay values is associated with a PVC.

43.   (NEW) The computer-readable medium as recited in Claim 34, wherein the selecting and determining steps are performed at the endpoint device.

44.   (NEW) An apparatus for determining a maximum frame size for an endpoint device in a frame relay network, the apparatus comprising a memory storing instructions which, when executed by one or more processors, cause:
selecting a shortest acceptable delay value from two or more acceptable delay values associated with two or more originating network devices that use the endpoint device to send information over the frame relay network; and
determining the maximum frame size for the endpoint device based upon the selected shortest acceptable delay value and a speed value of a physical connection connected to the endpoint device.

45.   (NEW) The apparatus as recited in Claim 44, wherein determining the maximum frame size for the endpoint device based upon the selected shortest acceptable delay value and a speed value of a physical connection connected to the endpoint device includes determining a product of the shortest acceptable delay value and the speed value.

46.   (NEW) The apparatus as recited in Claim 45, wherein the memory further comprises additional instructions which, when executed by the one or more processors, cause

providing the maximum frame size for the endpoint device to the two or more originating network devices.

47.   (NEW) The apparatus as recited in Claim 46, wherein the memory further comprises additional instructions which, when executed by the one or more processors, cause transmitting the maximum frame size for the endpoint device to the two or more originating network devices in a frame size message.

48.   (NEW) The apparatus as recited in Claim 44, wherein the memory further comprises additional instructions which, when executed by the one or more processors, cause transmitting the maximum frame size for the endpoint device to a second endpoint device from which the endpoint device might receive data.

49.   (NEW) The apparatus as recited in Claim 44, wherein the memory further comprises additional instructions which, when executed by the one or more processors, cause:
receiving a second maximum frame size from a second endpoint device;
selecting a first smallest maximum frame size based upon the smaller of the first
        maximum frame size and the second maximum frame size; and
using the selected first smallest maximum frame size for transmitting data from the
        endpoint device to the second endpoint device.

50.   (NEW) The apparatus as recited in Claim 49, wherein the memory further comprises additional instructions which, when executed by the one or more processors, cause:
receiving a third maximum frame size from a third endpoint device;
selecting a second smallest maximum frame size based upon the smaller of the first
        maximum frame size and the third maximum frame size; and

using the selected second smallest maximum frame size for transmitting data from the endpoint device to the third endpoint device.

51.   (NEW) The apparatus as recited in Claim 44, wherein the memory further comprises additional instructions which, when executed by the one or more processors, cause determining an adjusted maximum frame size by subtracting a specified value from the determined maximum frame size, wherein the specified value reflects processing delays in the endpoint device.

52.   (NEW) The apparatus as recited in Claim 44, wherein each of the two or more acceptable delay values is associated with a PVC.

53.   (NEW) The apparatus as recited in Claim 44, wherein the apparatus is the endpoint device.

54.   (NEW) An apparatus for determining a maximum frame size for an endpoint device in a frame relay network, the apparatus comprising:

means for selecting a shortest acceptable delay value from two or more acceptable delay values associated with two or more originating network devices that use the endpoint device to send information over the frame relay network; and

means for determining the maximum frame size for the endpoint device based upon the selected shortest acceptable delay value and a speed value of a physical connection connected to the endpoint device.

55.   (NEW) The apparatus as recited in Claim 54, wherein the means for determining the maximum frame size for the endpoint device based upon the selected shortest

acceptable delay value and a speed value of a physical connection connected to the endpoint device includes means for determining a product of the shortest acceptable delay value and the speed value.

56. (NEW) The apparatus as recited in Claim 55, further comprising means for providing the maximum frame size for the endpoint device to the two or more originating network devices.

57. (NEW) The apparatus as recited in Claim 56, further comprising means for transmitting the maximum frame size for the endpoint device to the two or more originating network devices in a frame size message.

58. (NEW) The apparatus as recited in Claim 54, further comprising means for transmitting the maximum frame size for the endpoint device to a second endpoint device from which the endpoint device might receive data.

59. (NEW) The apparatus as recited in Claim 54, further comprising:
means for receiving a second maximum frame size from a second endpoint device;
means for selecting a first smallest maximum frame size based upon the smaller of the first maximum frame size and the second maximum frame size; and
means for using the selected first smallest maximum frame size for transmitting data from the endpoint device to the second endpoint device.

60. (NEW) The apparatus as recited in Claim 59, further comprising:
means for receiving a third maximum frame size from a third endpoint device;
means for selecting a second smallest maximum frame size based upon the smaller of the first maximum frame size and the third maximum frame size; and

means for using the selected second smallest maximum frame size for transmitting data

from the endpoint device to the third endpoint device.

61.   (NEW) The apparatus as recited in Claim 54, further comprising means for determining

an adjusted maximum frame size by subtracting a specified value from the determined

maximum frame size, wherein the specified value reflects processing delays in the

endpoint device.

62.   (NEW) The apparatus as recited in Claim 54, wherein each of the two or more acceptable

delay values is associated with a PVC.

63.   (NEW) The apparatus as recited in Claim 54, wherein the apparatus is the endpoint

device.